SM processes	$\mu\tau$ channel
	$M > 300\text{GeV}/c^2$
$Z/\gamma^* \rightarrow \tau\tau$	0.06 ± 0.02
$Z/\gamma^* \rightarrow \mu\mu$	0.07 ± 0.02
$W \rightarrow \mu\nu(+\text{jets})$	0.25 ± 0.06
$W \rightarrow \tau\nu(+\text{jets})$	0.002 ± 0.001
WW	0.02 ± 0.002
$t\bar{t}$	0.003 ± 0.002
Dijets	0.01 ± 0.003
Total SM back ground	$0.4 \pm 0.07\pm0.1$
Expected signal	$2.0\pm 0.1\pm0.2$
Observed Events in data	1

TABLE 1. The expected signal ($M = 500\text{GeV}/c^2$) and SM background in $\mu\tau$ channel. The uncertainties on the individual background are statistic uncertainties. The uncertainties on the total SM background and expected signal are statistic and systematic uncertainties.